

Project: Aldi Stores Ltd Phase 1 - Mixed Use Development Proposed Foul Water Calculations	Date: 28/08/2026		
	Designed by: YB	Checked by: TG	Approved By: TG
Report Details: Type: Inflows Storm Phase: Unit 2- east	Company Address: Stantec Caversham Bridge House RG1 8DN		



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Base Flow (1)

Type : Base Flow

Flow (L/s)	0.791
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Base Flow (2)

Type : Base Flow

Flow (L/s)	0.707
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Base Flow (3)

Type : Base Flow

Flow (L/s)	0.707
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Base Flow (4)

Type : Base Flow

Flow (L/s)	0.707
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Project: Aldi Stores Ltd Phase 1 - Mixed Use Development Proposed Foul Water Calculations		Date: 28/08/2026			
Report Details: Type: Junctions Storm Phase: Unit 2- east		Designed by: YB	Checked by: TG		Approved By: TG
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Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
FW 2314	Manhole	346268.589	392318.903	52.463	2.620	49.843	Circular	1.200
F.2-01	Manhole	346205.119	392272.220	51.297	0.470	50.827	Circular	1.200
F.2-02	Manhole	346221.420	392284.128	51.310	0.732	50.578	Circular	1.200
F.2-03	Manhole	346237.337	392295.697	51.313	0.987	50.326	Circular	1.200
F.2-04	Manhole	346253.441	392307.636	51.326	1.251	50.075	Circular	1.200

Name	Lock
FW 2314	Levels
F.2-01	None
F.2-02	None
F.2-03	None
F.2-04	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
FW 2314	Inlet	F.02-1.004	(None)	No Restriction
F.2-01	Inlet	Base Flow (1)	(None)	No Restriction
F.2-02	Inlet	F.02-1.001	(None)	No Restriction
	Inlet (1)	Base Flow (2)	(None)	No Restriction
F.2-03	Inlet	F.02-1.002 Base Flow (3)	(None)	No Restriction
F.2-04	Inlet	F.02-1.003 Base Flow (4)	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
F.2-01	Outlet	F.02-1.001	Free Discharge
F.2-02	Outlet	F.02-1.002	Free Discharge
F.2-03	Outlet	F.02-1.003	Free Discharge
F.2-04	Outlet	F.02-1.004	Free Discharge

Project: Aldi Stores Ltd Phase 1 - Mixed Use Development Proposed Foul Water Calculations		Date: 28/08/2026			
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Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
F.02-1.001	20.187	Pipe	81.073		1.5	100	51.297	50.827
F.02-1.002	19.677	Pipe	78.084		1.5	100	51.310	50.578
F.02-1.003	20.047	Pipe	79.868		1.5	100	51.313	50.326
F.02-1.004	18.879	Pipe	81.374		1.5	100	51.326	50.075

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Lock	Culvert Type	Culvert Entrance
F.02-1.001	51.310	50.578	None	(None)	(None)
F.02-1.002	51.313	50.326	None	(None)	(None)
F.02-1.003	51.326	50.075	None	(None)	(None)
F.02-1.004	52.463	49.843	None	(None)	(None)

Project: Aldi Stores Ltd Phase 1 - Mixed Use Development Proposed Foul Water Calculations		Date: 28/08/2026			
Report Details: Type: Manhole Schedule Storm Phase: Unit 2- east		Designed by: YB	Checked by: TG		Approved By: TG
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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
FW 2314	52.463 49.843	Diameter / Length: 1.200	{1} F.02-1.004	Pipe	49.843	Diam/Width:100	Manhole
E:346268.589	2.620						
N:392318.903							
							Not Applicable
F.2-01	51.297 50.827	Diameter / Length: 1.200					Manhole
E:346205.119	0.470						
N:392272.220							
			{a} F.02-1.001	Pipe	50.827	Diam/Width:100	Not Applicable
F.2-02	51.310 50.578	Diameter / Length: 1.200	{1} F.02-1.001	Pipe	50.578	Diam/Width:100	Manhole
E:346221.420	0.732						
N:392284.128							
			{a} F.02-1.002	Pipe	50.578	Diam/Width:100	Not Applicable
F.2-03	51.313 50.326	Diameter / Length: 1.200	{1} F.02-1.002	Pipe	50.326	Diam/Width:100	Manhole
E:346237.337	0.987						
N:392295.697							
			{a} F.02-1.003	Pipe	50.326	Diam/Width:100	Not Applicable
F.2-04	51.326 50.075	Diameter / Length: 1.200	{1} F.02-1.003	Pipe	50.075	Diam/Width:100	Manhole
E:346253.441	1.251						
N:392307.636							
			{a} F.02-1.004	Pipe	50.075	Diam/Width:100	Not Applicable

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Inflow Label	Connected To	Flow (L/s)
Base Flow (1)	F.2-01	0.8
Base Flow (2)	F.2-02	0.7
Base Flow (3)	F.2-03	0.7
Base Flow (4)	F.2-04	0.7
TOTAL		2.9

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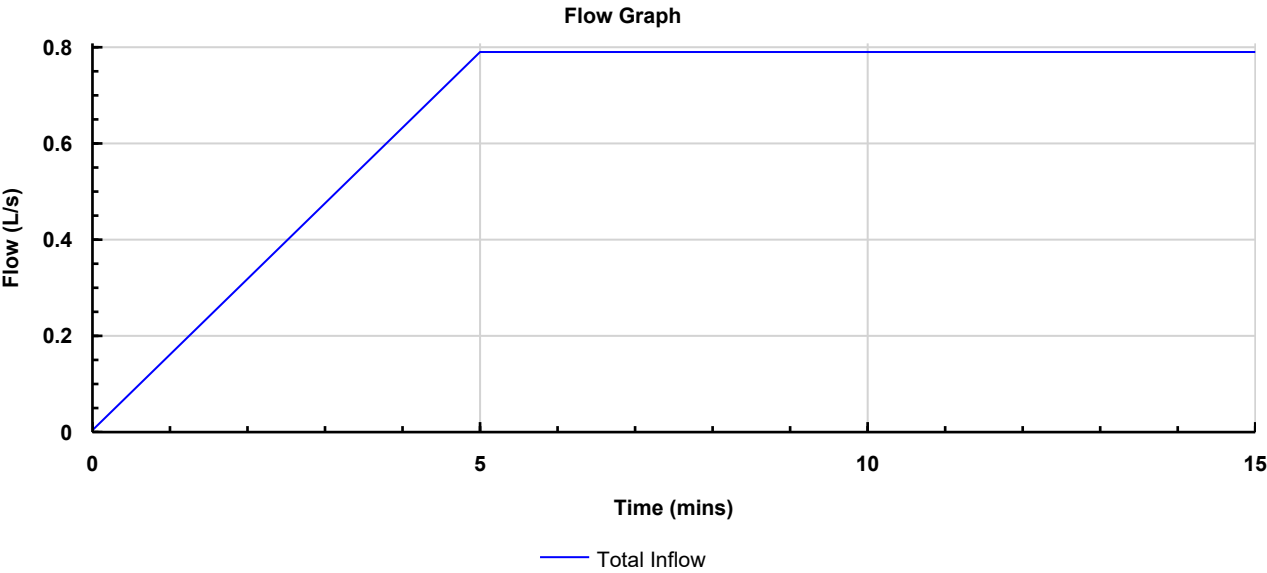
**Base Flow (1)
Dry Weather Flows**

Type : Base Flow

Inflow

Max. Inflow (L/s)	0.8
Total Inflow Volume (m³)	0.711

Graphs



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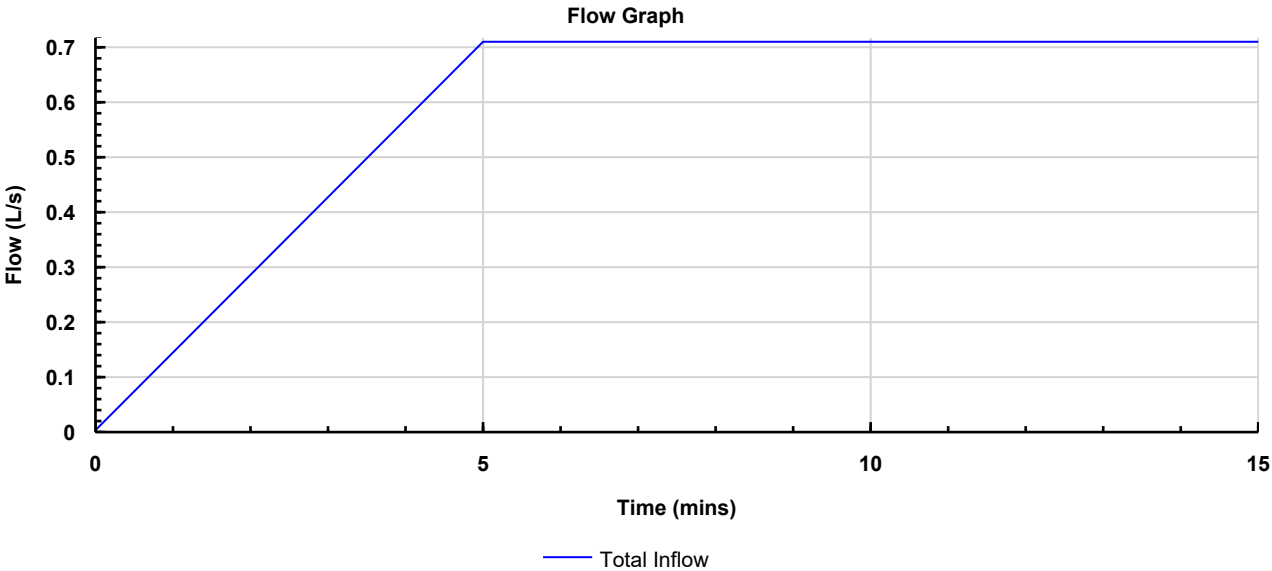
**Base Flow (2)
Dry Weather Flows**

Type : Base Flow

Inflow

Max. Inflow (L/s)	0.7
Total Inflow Volume (m³)	0.639

Graphs



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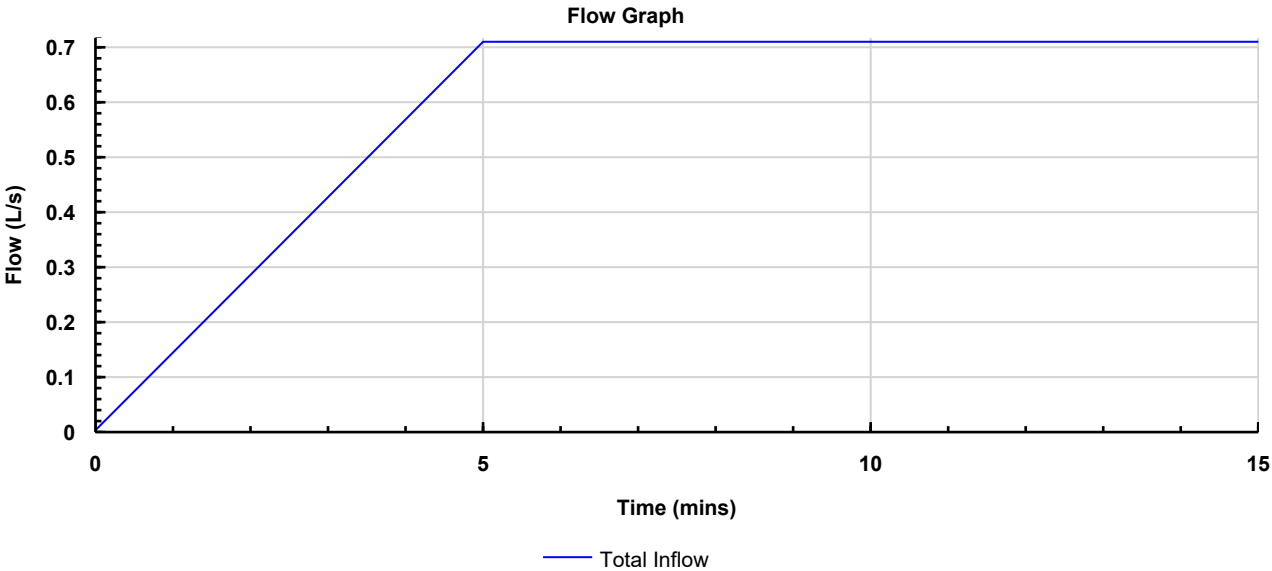
**Base Flow (3)
Dry Weather Flows**

Type : Base Flow

Inflow

Max. Inflow (L/s)	0.7
Total Inflow Volume (m³)	0.639

Graphs



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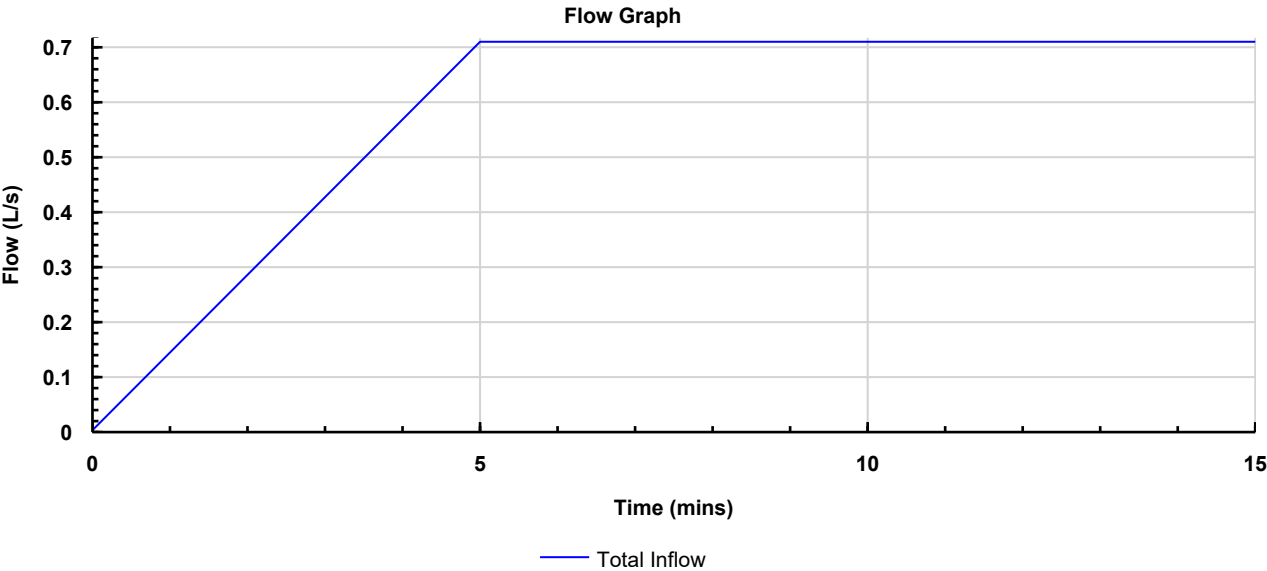
Base Flow (4)
Dry Weather Flows

Type : Base Flow

Inflow

Max. Inflow (L/s)	0.7
Total Inflow Volume (m³)	0.639

Graphs



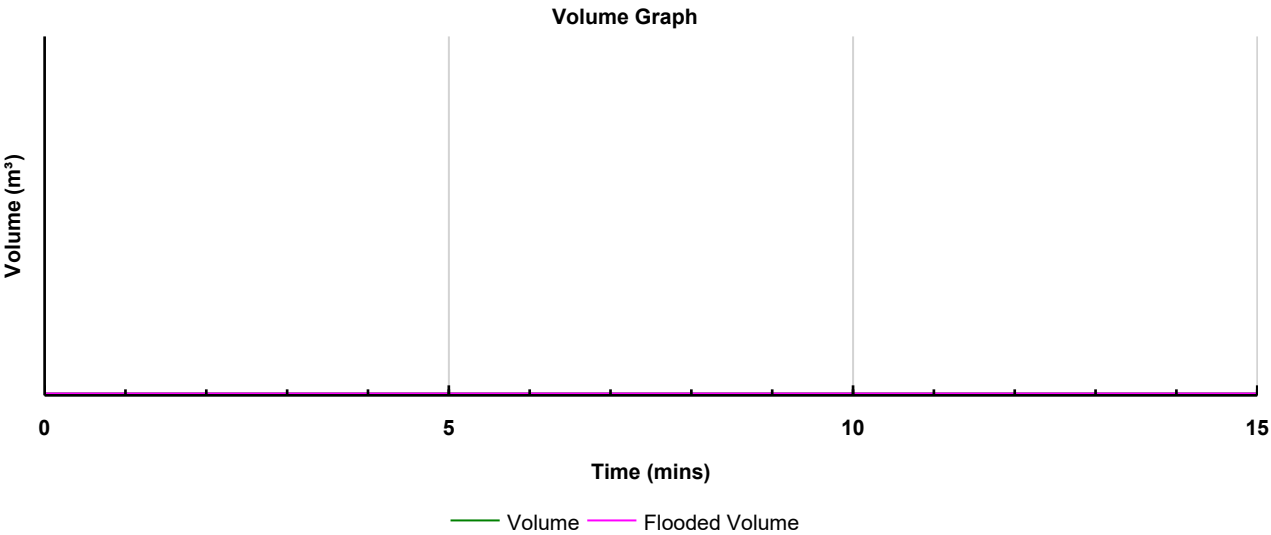
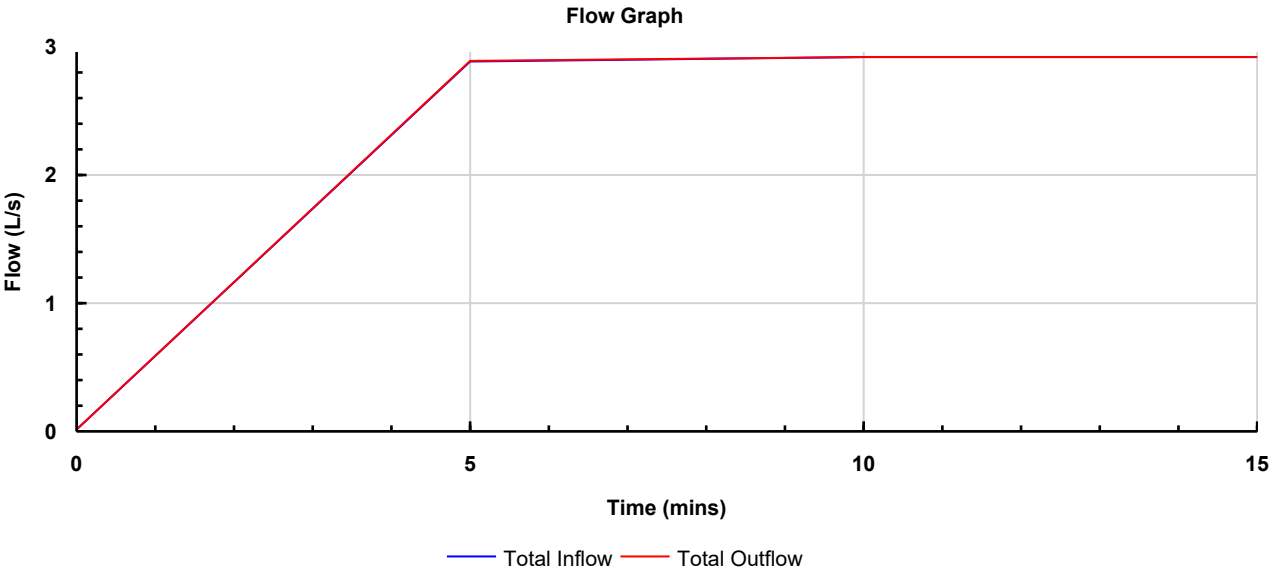
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FW 2314
Dry Weather Flows

Type : Manhole

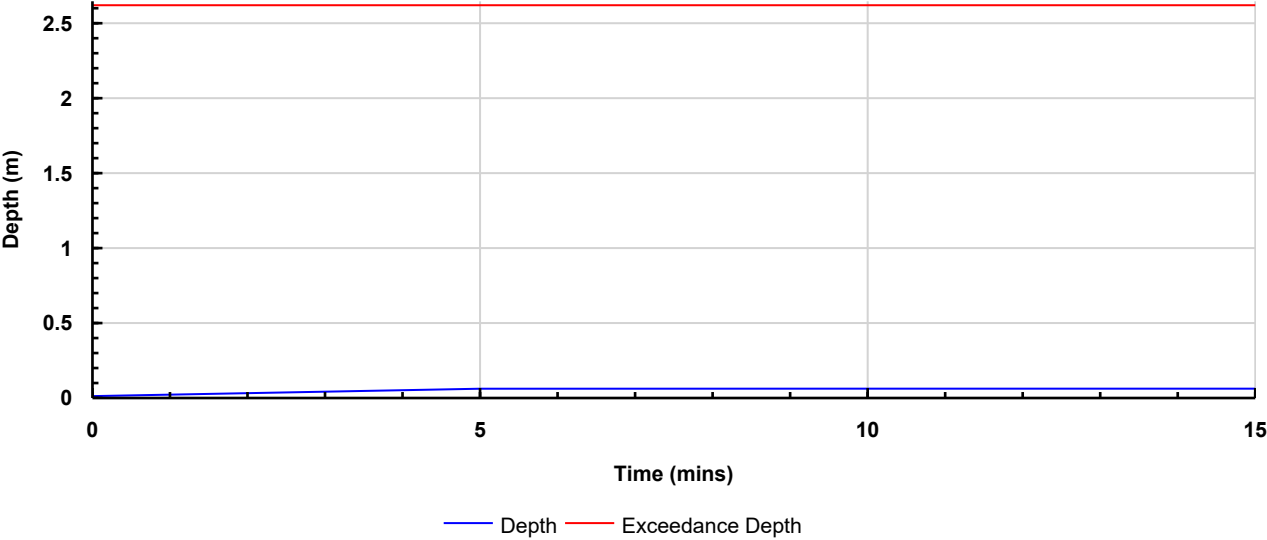
Graphs



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Depth Graph



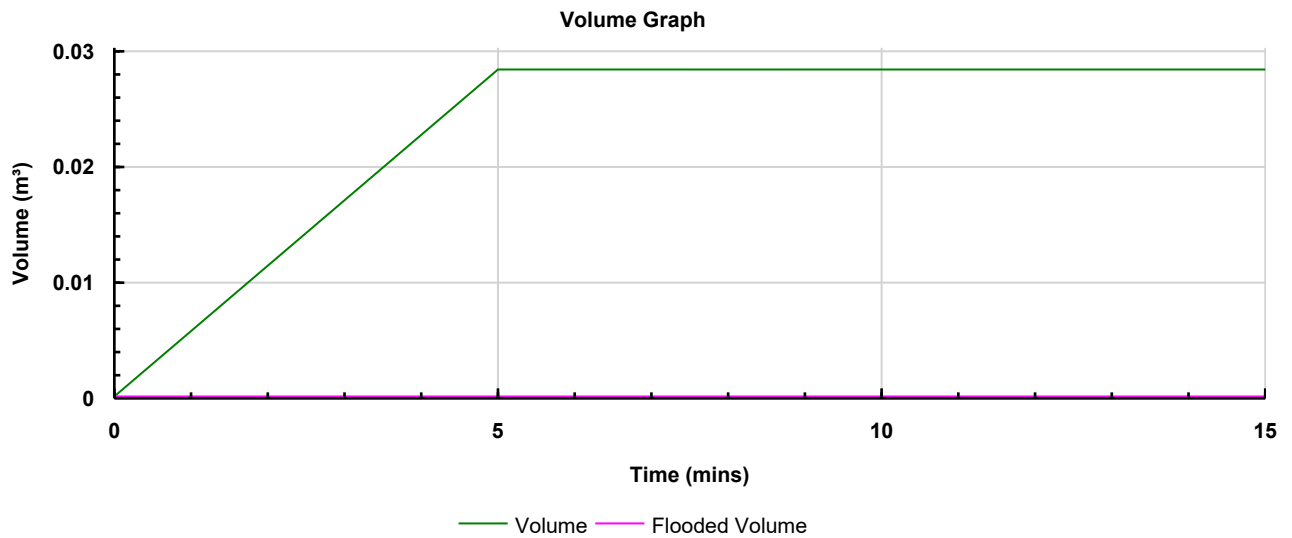
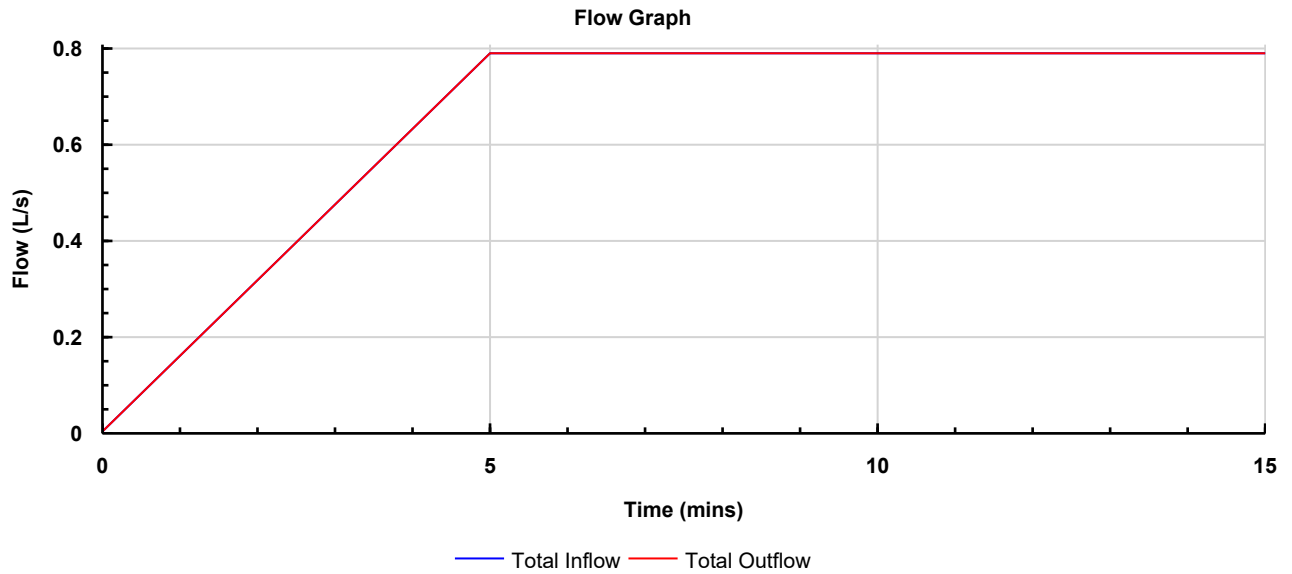
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F.2-01
Dry Weather Flows

Type : Manhole

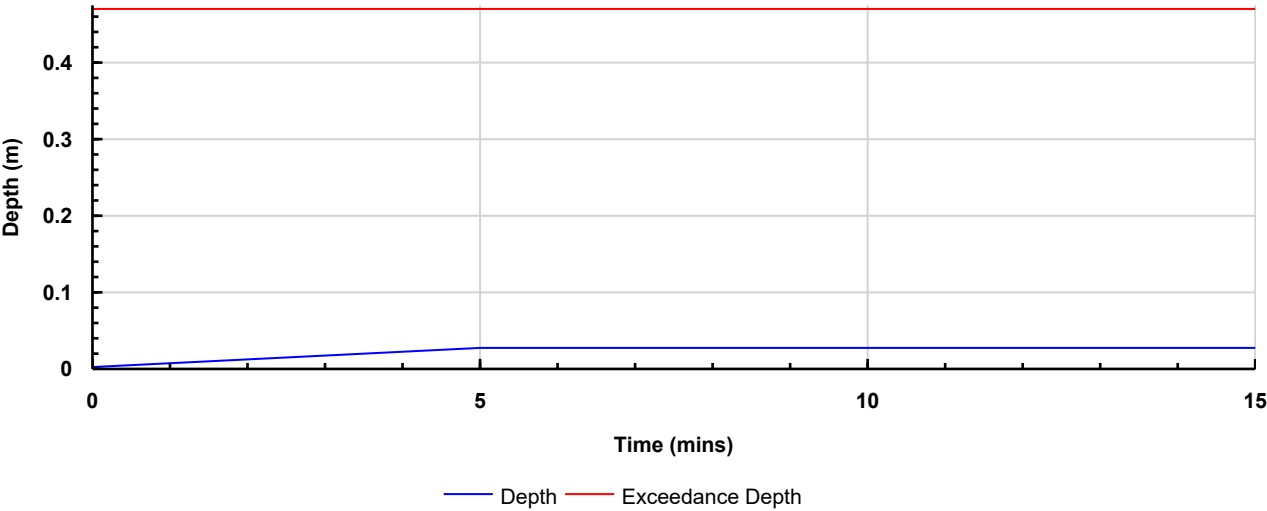
Graphs



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Depth Graph



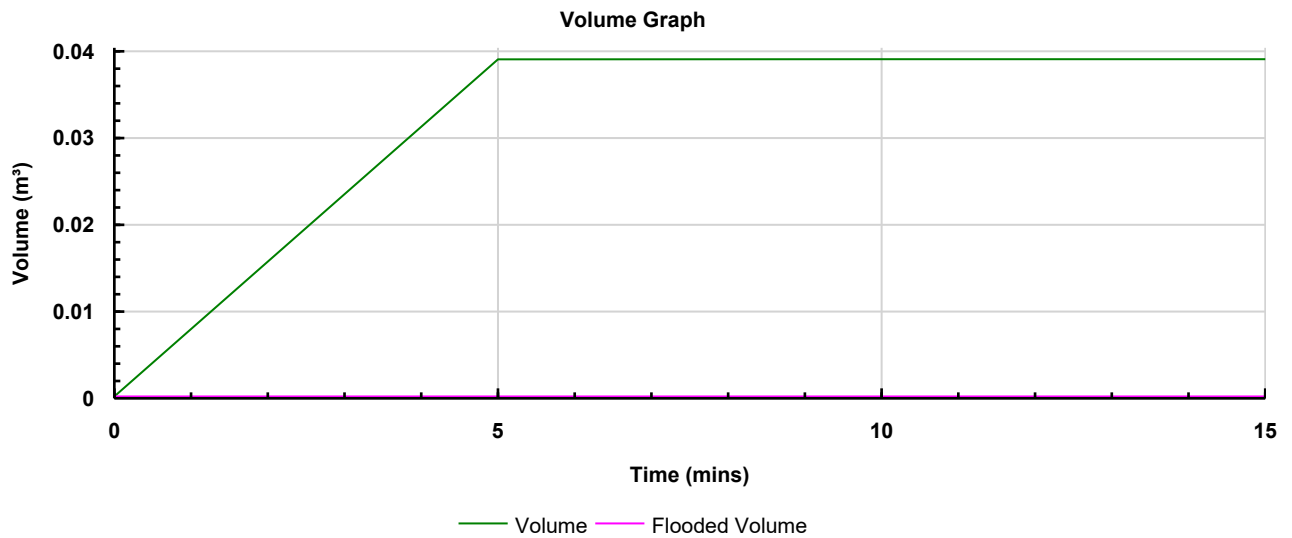
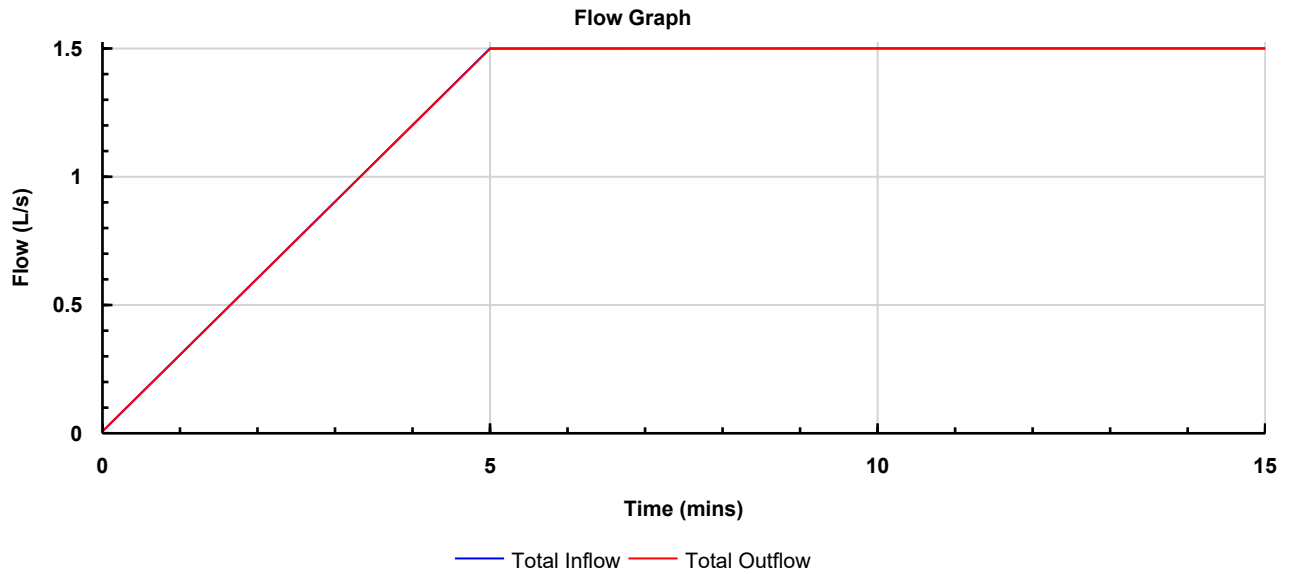
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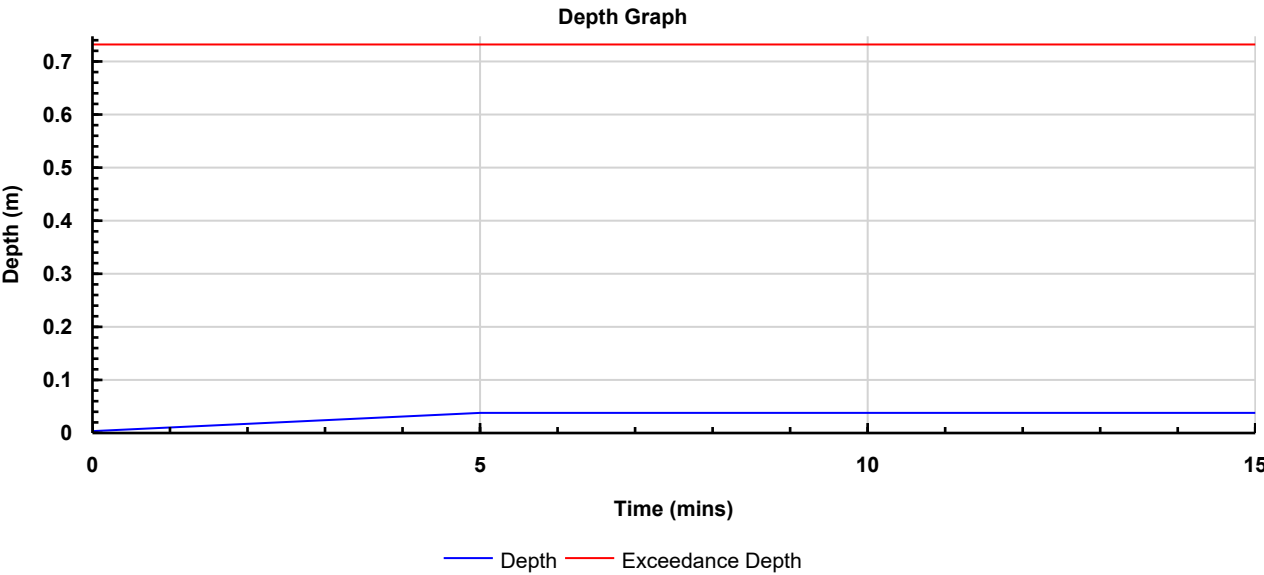
F.2-02
Dry Weather Flows

Type : Manhole

Graphs



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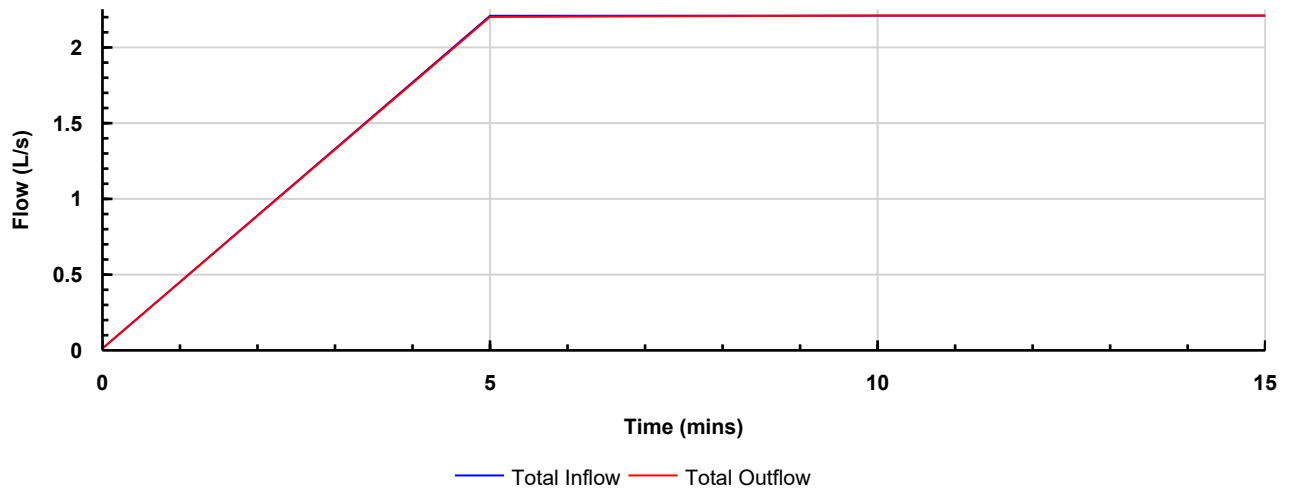


F.2-03
Dry Weather Flows

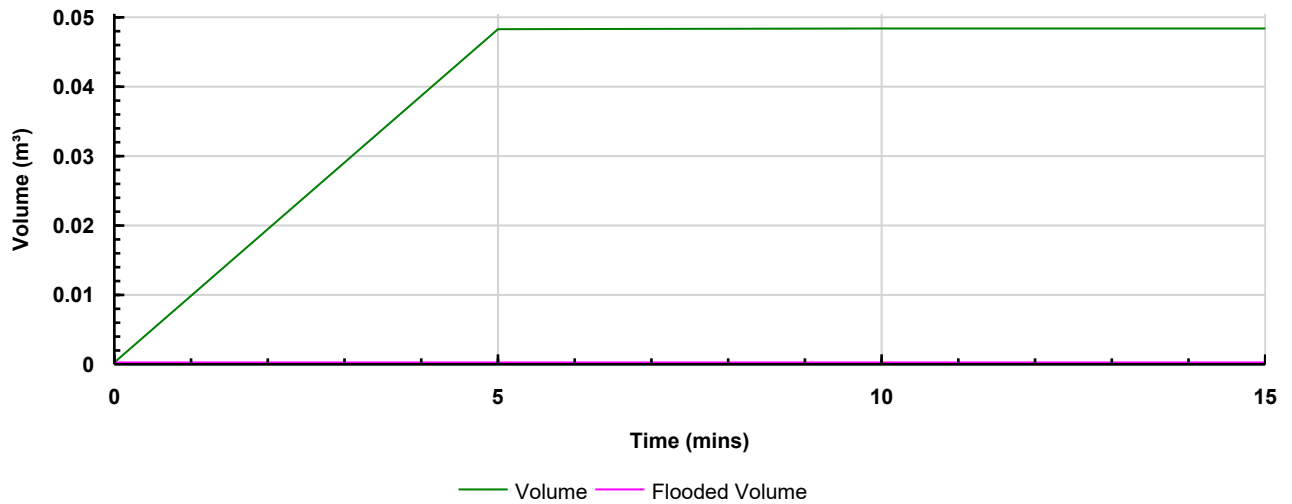
Type : Manhole

Graphs

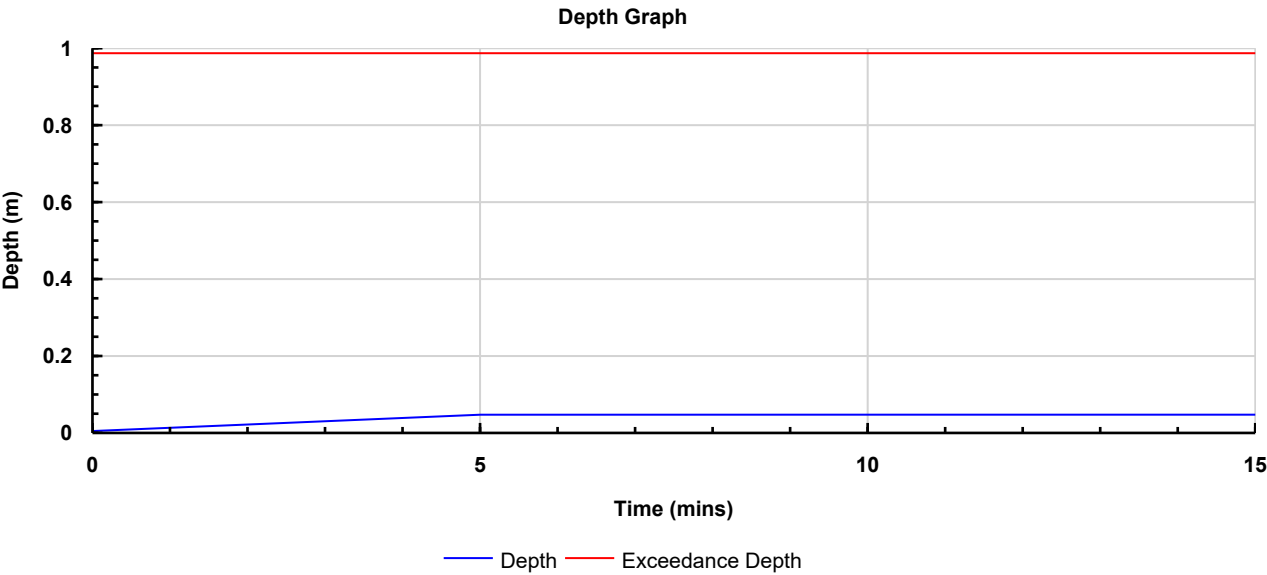
Flow Graph



Volume Graph



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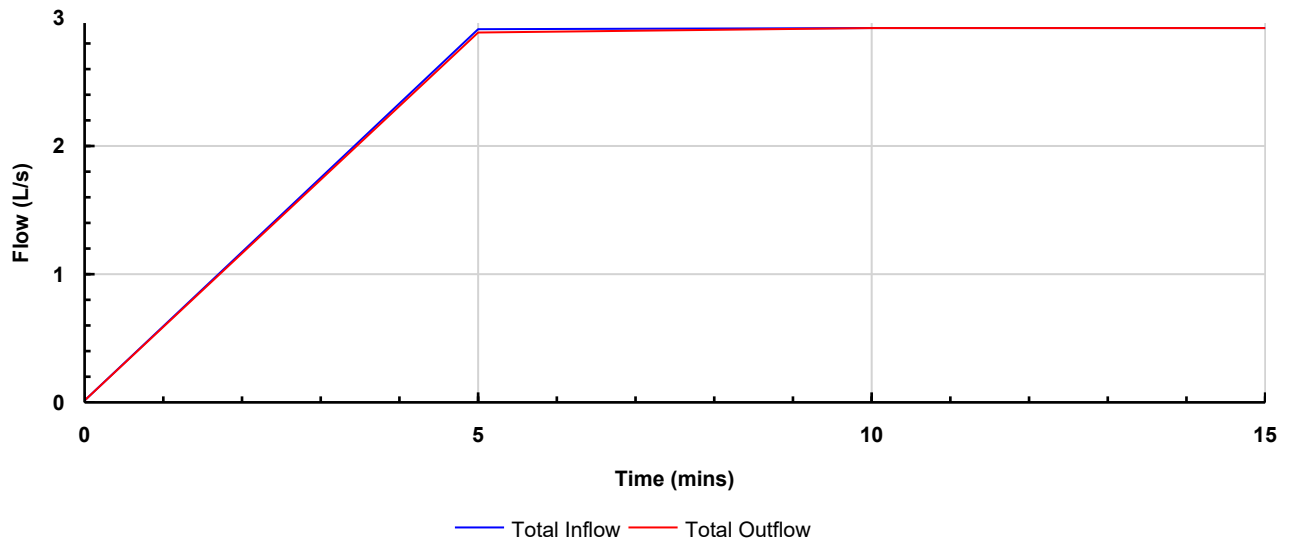


F.2-04
Dry Weather Flows

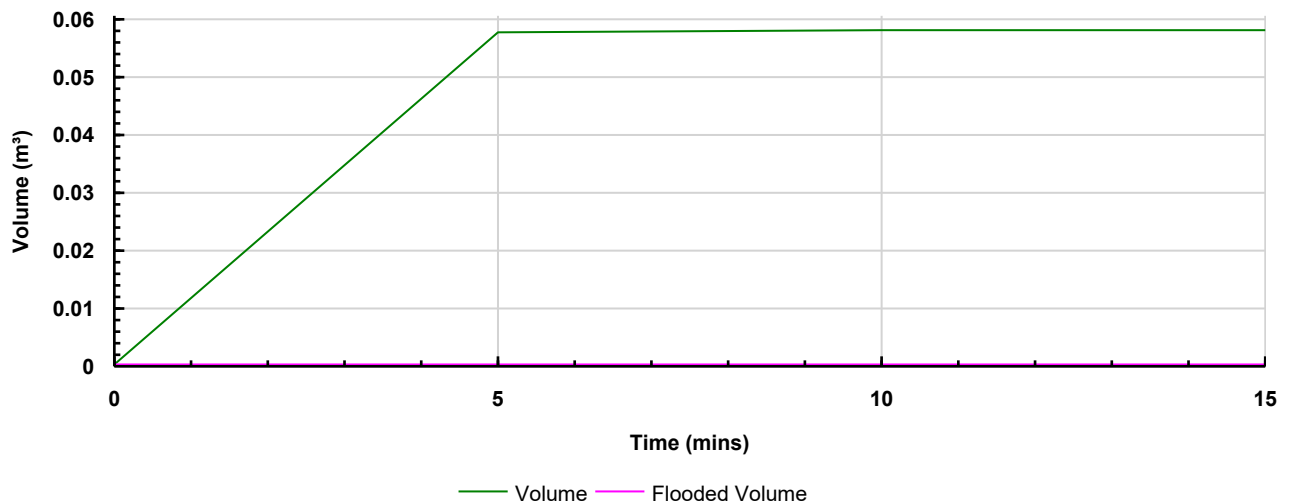
Type : Manhole

Graphs

Flow Graph



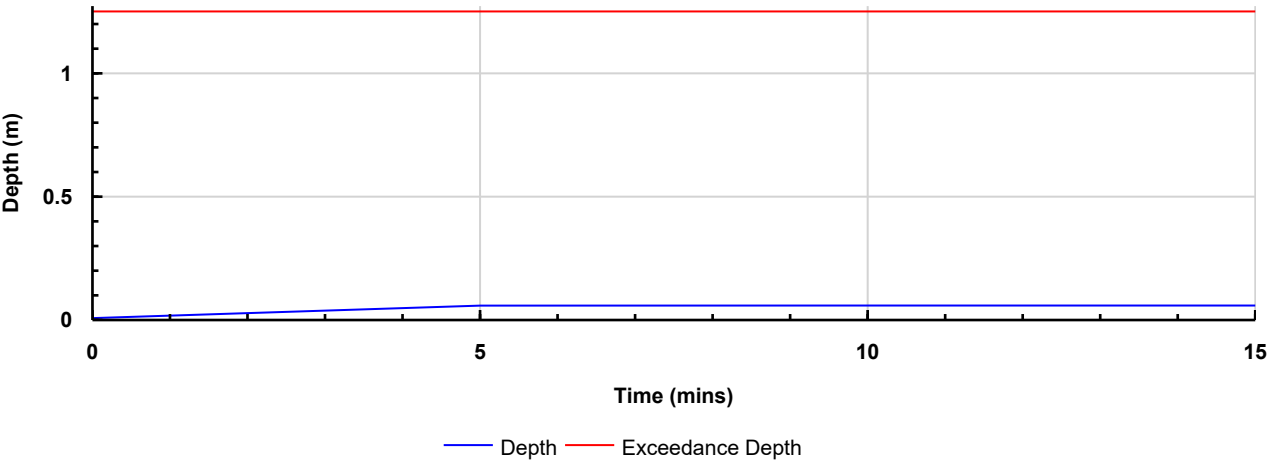
Volume Graph



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Depth Graph



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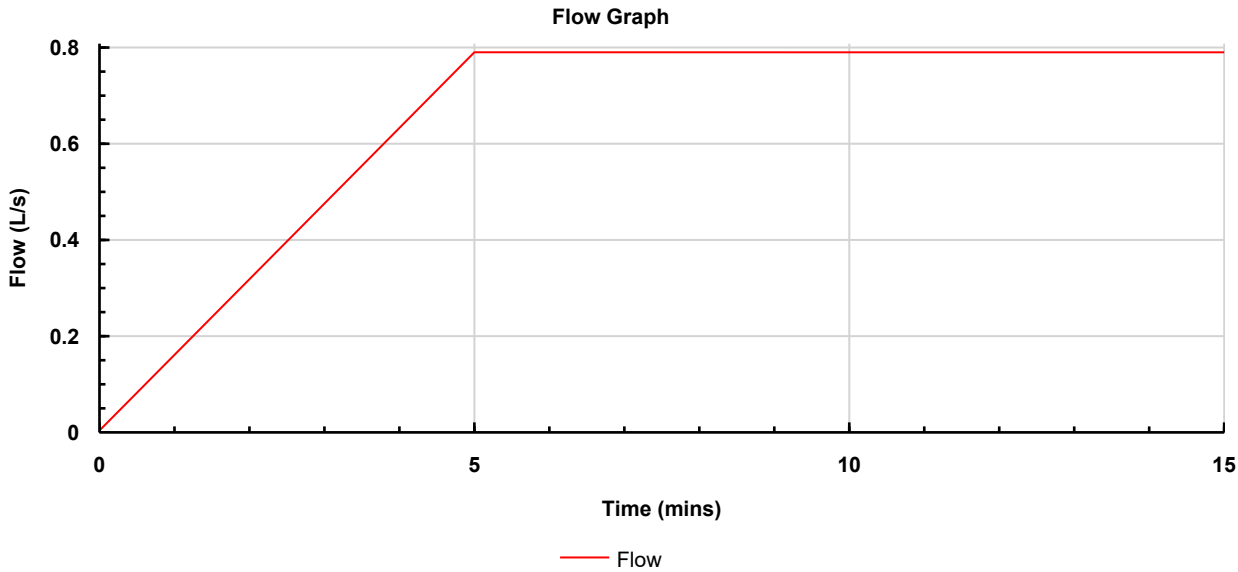
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F.02-1.001
Dry Weather Flows

Type : Pipe

Graphs



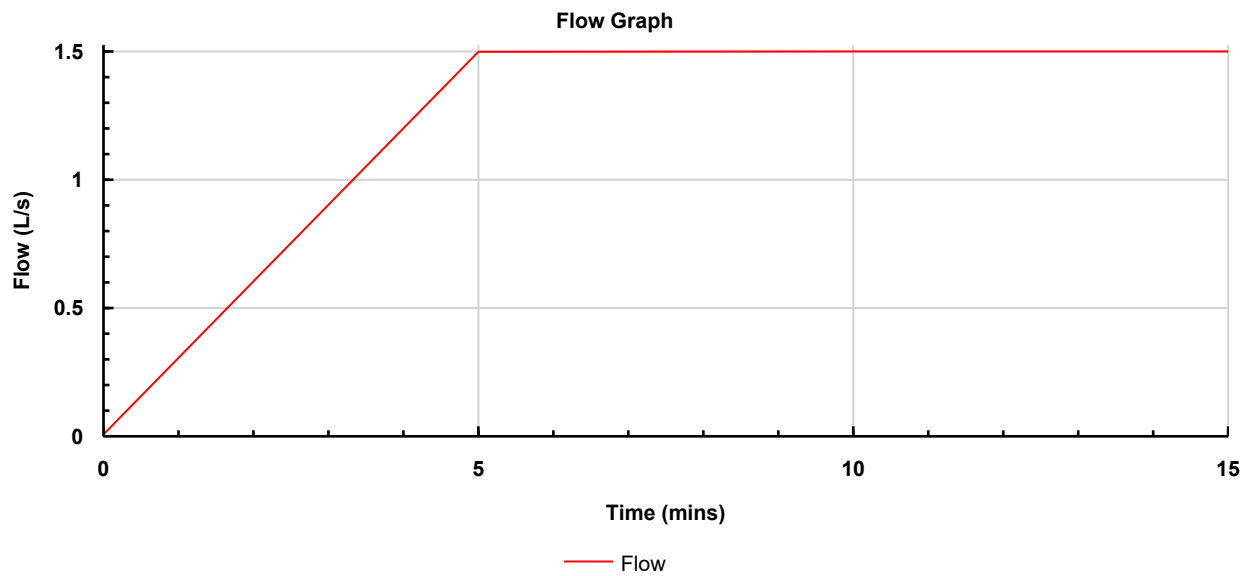
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F.02-1.002
Dry Weather Flows

Type : Pipe

Graphs



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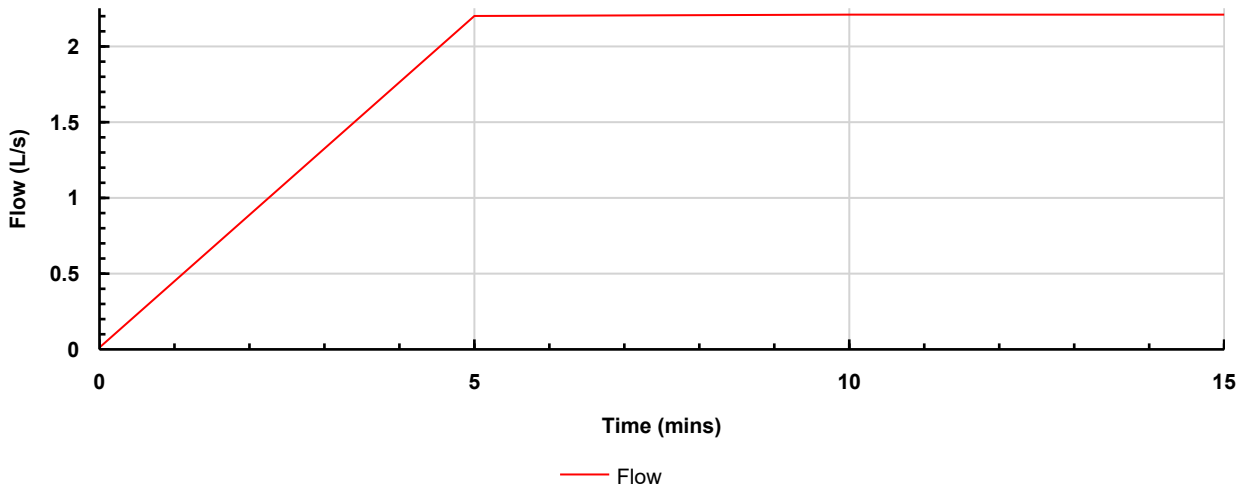


F.02-1.003
Dry Weather Flows

Type : Pipe

Graphs

Flow Graph



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F.02-1.004
Dry Weather Flows

Type : Pipe

Graphs

